

# Public Health Reports

Treasury Department, United States Marine-Hospital Service. Published in accordance with act of Congress approved February 15, 1893.

VOL. XII.

WASHINGTON, D. C., OCTOBER 29, 1897.

No. 44.

## UNITED STATES.

### *Yellow fever in the South.*

[Continuing the report of yellow fever in the South from October 21.]

October 22: Dr. G. B. Thornton, president of the board of health at Memphis, Tenn., makes official report of the presence of yellow fever at that place. Acting Assistant Surgeon John Guitéras wires from Montgomery that he confirms the diagnosis of the local physicians, and reports that he has seen 15 cases of yellow fever in Montgomery. Upon request of Dr. John A. McKinnon, president board of health, Dr. Guitéras was ordered to Selma, Ala., to investigate suspicious cases there.

October 23: Acting Assistant Surgeon Guitéras reports that he has seen 7 cases of yellow fever in Selma, Ala. Passed Assistant Surgeon Young was authorized to take charge of the disinfection of all mail from Memphis.

October 24: President Seelye, of the Montgomery, Ala., board of health, and Dr. Glen Andrews, city physician, request the Surgeon-General, Marine-Hospital Service, to send a force and take charge of disinfection, etc. In response to this request, Surgeon Carter was ordered from New Orleans to Montgomery to confer with the authorities, make recommendations, and take immediate action if necessary.

October 25: The Tennessee board of health having forbidden refugees from Memphis stopping in West Tennessee, and requested the enforcement of said order by the Marine-Hospital Service, Passed Assistant Surgeon Young, in charge of train inspection service in that district, was directed to enforce the order.

October 26: Surgeon Carter, having reported upon the necessities of

the situation at Montgomery, was authorized to employ necessary help and take charge of the disinfection, etc.

October 27: Passed Assistant Magruder reports yellow fever present in Galveston, Tex.; number of cases not stated. A telegram from Dr. John A. McKinnon, president of the Selma, Ala., board of health, states that there have been no new cases of yellow fever and no deaths in Selma for three days past, and that light frosts have occurred. Dr. McKinnon requests the Service to take charge of disinfection at Selma. Apparatus was shipped at once by express.

October 28: Passed Assistant Surgeon Young authorized, upon request from Memphis authorities and railroads interested, to assume charge of the disinfection of freight from Memphis.

*Yellow fever in the United States as reported to the Supervising Surgeon-General United States Marine-Hospital Service to October 27, 1897.\**

States.	Cities.	Date.	Cases.	Deaths.
Alabama.....	Alco.....	Oct. 8.....	1	0
	Bayminette.....	Oct. 14.....	1	1
	Flomaton.....	.....do.....	4	0
	Mobile.....	Sept. 13-Sept. 30...	74	11
		Oct. 1-Oct. 20...	†111	12
		Oct. 21.....	5	3
		Oct. 22.....	11	2
		Oct. 23.....	4	1
		Oct. 24.....	8	0
		Oct. 25.....	7	0
		Oct. 26.....	5	0
		Oct. 27.....	5	1
	Montgomery.....	Oct. 18.....	4	0
		Oct. 20.....	5	1
		Oct. 26.....	10	0
		Oct. 25.....	1	0
	Notasulga.....	.....do.....	1	0
	Sandy Ridge.....	.....do.....	1	0
	Selma.....	Oct. 23.....	7	0
	Wagar.....	Oct. 11.....	1	0
Georgia.....	Atlanta.....	Sept. 23.....	†1	0
Illinois.....	Cairo.....	Oct. 24.....	†1	0
		Sept. 19.....	2	0
Kentucky.....	Louisville.....	Sept. 20.....	2	0
		Sept. 23.....	1	1
Louisiana.....	Baton Rouge.....	Oct. 18.....	1	0
		Oct. 21.....	0	1
		Oct. 22.....	1	0
		Oct. 25.....	1	0
	Franklin.....	Oct. 14.....	1	1
		Oct. 20.....	1	0
		Oct. 21.....	1	0
		Sept. 8-Sept. 30...	226	27
	New Orleans.....	Oct. 1-Oct. 20...	753	76
		Oct. 21.....	43	2
		Oct. 22.....	50	5
		Oct. 23.....	49	7
		Oct. 24.....	31	3
		Oct. 25.....	57	11
		Oct. 26.....	59	7
		Oct. 27.....	52	11
Mississippi.....	Patterson.....	Oct. 21.....	1	0
	Barkley.....	Sept. 13-Sept. 18...	10	4
	Bay St. Louis.....	Oct. 17-Oct. 20...	7	1
		Oct. 23.....	7	0
		Oct. 24.....	8	1
		Oct. 25.....	6	2
	Biloxi.....	Sept. 1-Sept. 30...	132	7
		Oct. 1-Oct. 20...	282	10
		Oct. 21.....	18	1
		Oct. 22.....	18	1
		Oct. 23.....	9	0
		Oct. 24.....	18	0
		Oct. 25.....	14	1
		Oct. 26.....	14	0
		Oct. 27.....	12	0

\* For daily reports of cases and deaths, see PUBLIC HEALTH REPORTS October 8 and before.

† Two in vicinity.

‡ Refugees.

*Yellow fever in the United States, etc.—Continued.*

States.	Cities.	Date.	Cases.	Deaths.
Mississippi.....	Cayuga.....	Oct. 16-Oct. 20...	13	1
		Oct. 21.....	5	0
		Oct. 22.....	1	0
		Oct. 23.....	1	0
		Oct. 26.....	1	0
		Oct. 27.....	2	0
	Clinton.....	Oct. 7-Oct. 20...	19	2
		Oct. 21.....	4	0
		Oct. 22.....	5	0
		Oct. 23.....	2	0
		Oct. 26.....	1	0
		Oct. 25.....	1	0
	County Farm.....			
	Edwards.....	Sept. 15-Sept. 30...	212	6
		Oct. 1-Oct. 20...	200	21
		Oct. 21.....	5	0
		Oct. 22.....	4	0
		Oct. 23.....	2	1
		Oct. 24.....	1	0
		Oct. 25.....	1	0
		Oct. 26.....	3	0
		Oct. 7-Oct. 20...	3	0
		Oct. 23.....	5	0
	Hendersons Point.....			
	Hinds County Convict Camp, near Raymond.			
	McHenry .....	Oct. 27.....	1	0
		Sept. 30-Oct. 20...	23	1
	Nitta Yuma.....	Oct. 23.....	5	0
		Oct. 3-Oct. 20...	10	1
		Oct. 21.....	2	0
	Ocean Springs.....	Oct. 23.....	6	0
		Sept. 8-Sept. 30...	23	6
	Pascagoula.....	Oct. 14-Oct. 20...	8	1
		Oct. 21.....	3	0
		Oct. 22.....	4	0
		Oct. 23.....	1	0
		Oct. 24.....	2	0
		Oct. 25.....	1	0
		Oct. 26.....	1	0
		Oct. 27.....	2	0
		Sept. 10.....	1	0
		Sept. 10-Sept. 30...	39	3
		Oct. 1-Oct. 20...	166	5
		Oct. 21.....	21	0
		Oct. 22.....	12	1
	Perkinston.....	Oct. 27.....	13	0
		Oct. 24.....	9	0
		Oct. 25.....	12	0
		Oct. 26.....	12	3
		Oct. 27.....	9	1
		To Oct. 20.....	4	0
		Oct. 22.....	1	0
		Oct. 24.....	4	0
Tennessee.....	Memphis.....	Oct. 25.....	1	0
		Oct. 26.....	7	0
		Oct. 27.....	5	1
		Sept. 22.....	1	0
		Oct. 9-Oct. 20...	12	0
Texas .....	Beaumont.....			
	Galveston .....			
	Houston.....			

\* Yellow fever reported; cases not given.

[Reports to the Supervising Surgeon-General United States Marine-Hospital Service.]

*Smallpox in Memphis, Tenn.*

MEMPHIS, TENN., October 23, 1897.

SIR: I have the honor to state that Dr. Raymond, county health officer, reports 8 cases of smallpox at pesthouse. The first case reported has been traced to a negro from Mississippi, who slept in the same house that was occupied by the six people now reported as infected. Two cases already reported.

Very respectfully,

W. P. McINTOSH,  
Passed Assistant Surgeon, U. S. M. H. S.

*Killing frosts and temperatures.*

DEPARTMENT OF AGRICULTURE, WEATHER BUREAU,  
Washington, D. C., October 22, 1897.

SIR: I beg to inclose herewith, in response to your inquiry of the 20th instant, a table of dates of first killing frost and minimum temperatures during November and December at Mobile and Montgomery, Ala., and Galveston, Tex.; also, at Memphis, Tenn., New Orleans, La., and Vicksburg, Miss.

Very respectfully,

WILLIS L. MOORE,  
Chief of Bureau.

*Dates of first killing frost in the cities of Mobile and Montgomery, Ala.*

MOBILE.				MONTGOMERY.			
Year.	Killing frost.	Minimum temperatures.		Year.	Killing frost.	Minimum temperatures.	
		Novem-ber.	Decem-ber.			Novem-ber.	Decem-ber.
		Degrees.	Degrees.			Degrees.	Degrees.
1873	Nov. 20	30.0	28.0	1873	Oct. 29	26.0	23.0
1874	Nov. 2	32.0	34.0	1874	Dec. 15	31.0	32.0
1876	Dec. 18	41.0	30.0	1875	Dec. 9	36.0	23.0
1876	Nov. 9	35.0	21.0	1876	Nov. 10	32.5	20.0
1877	Nov. 12	27.0	26.0	1877	Nov. 4	26.5	24.0
1878	Nov. 2	36.0	26.0	1878	Nov. 1	33.0	22.0
1879	Nov. 22	33.0	24.0	1879	Nov. 22	29.0	20.0
1880	Dec. 8	(a)	14.0	1880	Nov. 7	26.0	8.0
1881	Nov. 25	27.0	36.8	1881	Nov. 26	24.6	33.2
1882	Nov. 15	29.5	24.0	1882	Nov. 15	28.8	19.2
1883	Dec. 16	33.4	28.5	1883	Nov. 3	29.0	26.9
1884	Nov. 25	34.1	20.3	1884	Nov. 7	32.1	16.0
1885	do.	32.0	26.0	1885	Nov. 14	31.0	25.0
1886	Nov. 18	30.5	22.9	1886	Nov. 7	31.3	22.1
1887	Nov. 22	25.2	25.4	1887	Nov. 21	21.4	22.0
1888	Nov. 28	33.5	25.0	1888	Nov. 26	29.7	24.2
1889	Nov. 29	30.0	32.0	1889	Nov. 29	27.0	29.0
1890	Nov. 4	36.0	31.0	1890	Oct. 31	33.0	29.0
1891	Nov. 18	28.0	30.0	1891	Oct. 21	23.0	28.0
1892	Dec. 23	36.0	20.0	1892	Oct. 28	30.0	20.0
1893	Nov. 16	32.0	26.0	1893	Oct. 31	27.0	24.0
1894	Nov. 7	29.0	16.0	1894	Nov. 7	26.0	13.0
1895	Nov. 27	31.0	27.0	1895	Nov. 12	27.0	22.0
1896	Dec. 3	33.0	31.0	1896	Nov. 9	32.0	24.0
Average date, November 22.				Average date, November 12.			
a No record.							

*Dates of first killing frost in the city of Galveston, Tex.*

Year.	Frost.	Minimum temperatures, F.		Year.	Frost.	Minimum temperatures, F.	
		Novem-ber.	Decem-ber.			Novem-ber.	Decem-ber.
		Degrees.	Degrees.			Degrees.	Degrees.
1876	Dec. 25	39	26	1887	Dec. 18	37	29
1877	Dec. 7	30	35	1888	(a)	42	40
1878	Dec. 25	37	29	1889	(a)	39	47
1879	do.	43	24	1890	(a)	49	37
1880	Nov. 18	29	18	1891	(a)	36	39
1881	(a)	36	42	1892	Dec. 27	44	25
1882	(a)	39	34	1893	Dec. 16	43	37
1883	(a)	43	41	1894	Dec. 28	41	21
1884	Dec. 18	44	29	1895	Dec. 30	37	32
1885	(a)	46	34	1896	Nov. 30	35	34
1886	Dec. 5	34	25				
Average date, December 18.							
a None reported.							

*Dates of first killing frost in the cities of Memphis, Tenn., and New Orleans, La.*

MEMPHIS.				NEW ORLEANS.			
Year.	Killing frost.	Minimum temperatures.		Year.	Killing frost.	Minimum temperatures.	
		November.	December.			November.	December.
		Degrees.	Degrees.			Degrees.	Degrees.
1873	Oct. 28	25	24	1873	Nov. 20	39.0	35.0
1874	Oct. 13	25	29	1874	Dec. 21	40.5	41.0
1875	Oct. 12	27	21	1875	Dec. 9	48.0	36.0
1876	Oct. 2	25	3	1876	Nov. 21	39.0	28.0
1877	Nov. 3	16	20	1877	Nov. 11	38.0	34.0
1878	Oct. 28	30	11	1878	Dec. 16	41.0	27.0
1879	Nov. 4	27	14	1879	Dec. 26	38.0	32.0
1880	Nov. 2	16	3	1880	Nov. 19	34.0	20.0
1881	Oct. 20	22	31	1881	Nov. 25	31.5	40.3
1882	Nov. 13	29	12	1882	Dec. 8	36.8	29.5
1883	Nov. 2	20	22	1883		36.8	37.0
1884	Oct. 24	24	8	1884	Dec. 19	42.2	28.8
1885	Oct. 22	30	18	1885	Dec. 15	40.0	30.4
1886	Oct. 28	30	17	1886	Nov. 18	34.4	27.0
1887	Oct. 12	18	14	1887	Dec. 29	34.0	29.4
1888	Nov. 11	31	23	1888	Dec. 20	41.0	30.7
1889	Nov. 29	24	28	1889		38.0	39.0
1890	Oct. 31	36	23	1890	Dec. 10	44.0	35.0
1891	Oct. 23	20	27	1891	Nov. 30	30.0	36.0
1892	Oct. 26	25	13	1892	Dec. 27	41.0	23.0
1893	Oct. 16	24	18	1893		36.0	33.0
1894	Nov. 3	24	5	1894		36.0	21.0
1895	Oct. 9	27	20	1895		37.0	34.0
1896	Nov. 8	19	21	1896	Dec. 25	35.0	32.0

Average date, October 26.

Average date, December 7.

*Dates of first killing frost in the city of Vicksburg, Miss.*

Year.	Killing frost.	Minimum temperatures, F.		Year.	Killing frost.	Minimum temperatures, F.	
		November.	December.			November.	December.
		Degrees.	Degrees.			Degrees.	Degrees.
1873	Oct. 20	28.0	28.0	1885	Nov. 24	31.2	22.5
1874	Nov. 1	31.0	33.0	1886	Nov. 18	27.8	19.2
1875	Dec. 18	33.0	25.0	1887	Oct. 31	27.1	21.5
1876	Nov. 20	32.0	13.5	1888	Nov. 11	35.3	24.2
1877	Nov. 7	23.0	23.0	1889	Nov. 18	30.0	34.0
1878	Nov. 1	33.0	20.0	1890	Nov. 4	35.0	27.0
1879	Nov. 19	31.0	19.0	1891	Oct. 19	22.0	28.0
1880	Nov. 7	23.0	12.0	1892	Nov. 11	34.0	16.0
1881	Nov. 4	25.0	33.0	1893	Nov. 15	30.0	24.0
1882	Nov. 14	31.3	18.6	1894	Nov. 11	30.0	15.0
1883	Nov. 16	28.3	29.8	1895	do.	31.0	25.0
1884	Nov. 6	32.2	18.1	1896	Nov. 9	27.0	30.0

Average date, November 10.

NOTE.—This furnishes a fair indication for Edwards and vicinity.

*Smallpox in the United States as reported to the Supervising Surgeon-General United States Marine-Hospital Service, December 29, 1896, to October 29, 1897.*

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Alabama:</b>				
Bessemer.....	Sept. 26-Oct. 2....	1		
Birmingham and adjacent country.....	May 8-Aug. 12....	96	1	5 cases varioloid.
	Aug. 21-Oct. 16....	68		
Brockton.....	Aug. 29.....	1		
Mobile.....	Dec. 28-Jan. 26....	2		
	Mar. 28.....	1		
	Apr. 17.....	1		
	May 21.....	1		
	May 31.....	1		
Montgomery.....	Aug. 7-Aug. 13....	28		
Union Springs.....	Mar. 21.....		1	
<b>Connecticut:</b>				
New Haven.....	Feb. 17.....	1		
<b>Florida:</b>				
Pensacola.....	Jan. 19-Feb. 20....	13		12 varioloid.
	Feb. 28-Mar. 10....	14		
	Mar. 27-Apr. 3....	3		
	Apr. 10-May 1....	10		Do.
	May 2-May 22....	7		Do.
	May 29-June 5....	2		Do.
	July 4-July 10....			1 case varioloid.
Escambia County (not including Pensacola).....	Dec. 2-Jan. 19....	18		
<b>Georgia:</b>				
Atlanta.....	Oct. 12-Oct. 23....	19		
<b>Illinois:</b>				
Chicago.....	Mar. 25.....			Smallpox reported; brought from Mexico.
	Mar. 27-Apr. 3....		1	
	Apr. 10-Apr. 17....	2		
	May 8-May 15....		1	
<b>Indiana:</b>				
Greenwood.....	Feb. 12.....	1		
<b>Louisiana:</b>				
New Orleans.....	Sept. 8.....	1		Varioloid.
<b>Massachusetts:</b>				
Boston.....	May 1-May 8....	4		
	May 22-May 29....	1		
Cambridge.....	June 6-June 26....	3		Varioloid. 1 smallpox.
Gloucester.....	June 19-June 26....	1	2	
New Bedford.....	Apr. 10-Apr. 17....	1		
<b>Michigan:</b>				
Blissfield Township.....	Mar. 27-Apr. 10....			Smallpox reported.
	Apr. 17-May 1....			Do.
<b>Missouri:</b>				
St. Louis.....	April 29.....	2		
	May 1-May 22....	2	3	
<b>New Mexico:</b>				
Albuquerque.....	Sept. 19.....	1		
<b>New York:</b>				
Brooklyn.....	Apr. 24-June 26....	5	2	
	June 27-July 24....	2	1	
New York.....	Mar. 1-Mar. 31....		2	Do.
	Apr. 17-May 15....		10	
	June 13-June 19....		3	
	July 4-July 24....		3	
<b>Ohio:</b>				
Toledo.....	Apr. 1-May 31....	14	2	
	June 1-June 30....	4	1	
<b>Pennsylvania:</b>				
Drifton.....	Apr. 6.....	1		
McKeesport.....	Oct. 16-Oct. 23....	1		
<b>Tennessee:</b>				
Memphis.....	Apr. 1-June 26....	21		
	July 4-July 17....	3		
	Aug. 15-Aug. 21....	1		
	Oct. 14-Oct. 23....	8		
<b>Washington:</b>				
Tacoma.....	Feb. 6.....	1		
Olympia.....	Mar. 1.....	1		



*Report of immigration at Boston for the week ended October 23, 1897.*

OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,  
*Port of Boston, October 23, 1897.*

*Number of alien immigrants who arrived at this port during the week ended October 23, 1897;  
 also names of vessels and ports from which they arrived.*

Date.	Vessel.	Where from.	No. of immigrants.
Oct. 17	Steamship Yarmouth.....	Yarmouth, Nova Scotia.....	105
Oct. 18	Schooner T. V. Dexter.....	Liverpool, Nova Scotia.....	22
Do....	Steamship Halifax.....	Halifax, Nova Scotia.....	100
Oct. 19	Steamship Prince Edward.....	Yarmouth, Nova Scotia.....	55
Oct. 20	Steamship Boston.....	do.....	55
Do....	Steamship Camboman.....	Liverpool, England.....	1
Do....	Steamship Lancastrian.....	do.....	3
Oct. 21	Steamship Yarmouth.....	Yarmouth, Nova Scotia.....	74
Do....	Steamship Olivette.....	Halifax, Nova Scotia.....	47
Oct. 22	Steamship Georgian.....	London, England.....	1
Do....	Schooner Muriel.....	Bear River, Nova Scotia.....	1
Do....	Steamship Prince Edward.....	Yarmouth, Nova Scotia.....	90
Do....	Steamship Boston.....	do.....	33
Total.....			587

GEO. B. BILLINGS,  
*Commissioner.*

*Report of immigration at New York for the week ended October 23, 1897.*

OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,  
*Port of New York, October 25, 1897.*

*Number of alien immigrants who arrived at this port during the week ended October 23, 1897;  
 also names of vessels and ports from which they arrived.*

Date.	Vessel.	Where from.	No. of immigrants.
Oct. 17	Steamship Aragonia.....	Stettin and Havre.....	196
Do....	Steamship Obdam.....	Rotterdam.....	146
Do....	Steamship La Gascogne.....	Havre.....	191
Oct. 18	Steamship Havel.....	Bremen.....	77
Do....	Steamship Anchoria.....	Glasgow.....	71
Do....	Steamship Neustria.....	Marseilles, Naples, etc.....	331
Oct. 19	Steamship Kaiser Wilhelm der Grosse..	Bremen.....	200
Oct. 20	Steamship Westernland.....	Antwerp.....	172
Oct. 21	Steamship Majestic.....	Liverpool and Queenstown.....	491
Do....	Steamship Werra.....	Genoa.....	310
Oct. 22	Steamship Koenigin Luise.....	Bremen.....	371
Do....	Steamship Phoenicia.....	Hamburg.....	53
Oct. 23	Steamship Werkendam.....	Amsterdam.....	51
Do....	Steamship Columbia.....	Hamburg.....	127
Do....	Steamship Island.....	Copenhagen, etc.....	99
Do....	Steamship St. Paul.....	Southampton.....	218
Total.....			3,104

THOMAS FITCHIE,  
*Commissioner.*

October 23, 1897

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*Report of immigration at Philadelphia for the week ended October 23, 1897.*

OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,  
*Port of Philadelphia, October 23, 1897.*

*Number of alien immigrants who arrived at this port during the week ended October 23, 1897;  
also names of vessels and ports from which they arrived.*

Date.	Vessel.	Where from.	No. of im- migrants.
Oct. 17	Steamship Pennland ... ..	Liverpool and Queenstown.....	85
	Total .....	.....	85

JNO. J. S. RODGERS,  
*Commissioner.*



## QUARANTINE REPORTS.

## National quarantine and inspection stations.

[Vessels named only when detained or given treatment at quarantine.]

Name of station.	Week ended.	Name of vessel.	Date of arrival.	Port of departure.	Destination.	Treatment of vessel, passengers, and cargo.	Date of departure.	Remarks.	Vessels inspected and passed.
Alexandria, Va.	Oct. 23	Nor. bk. Laugel *	Oct. 10	Pernambuco	Brunswick	Disinfected and held	Oct. 20	No transactions	2
Brunswick, Ga.	do.	Nor. bk. Marcopolo	Oct. 17	Rio	do	do	do	do	do
do.	do.	Nor. bk. Iona	Oct. 20	Pernambuco	do	do	do	do	do
Cape Charles, Va.	do.	Br. ss. Maori	Oct. 21	Galveston	Newport News.	do	do	do	5
do.	do.	Sp. ss. Guido	Oct. 22	do	Manchester via Norfolk.	Suspected and held	Oct. 22	Refused disinfection and put to sea.	2
Cape Fear, N. C.	do.	do	do	do	do	do	do	do	3
Delaware Breakwater Quarantine, Del.	Oct. 13	Am. sc. H. S. Lanfair *	Oct. 4	Rio Grande do Sul.	Pascagoula	Disinfected and held	Oct. 12	No transactions	1
Eureka, Cal.	Oct. 20	Br. s. Blairgowrie *	do.	Rio	do	do	do	do	5
Grays Harbor, Wash.	Oct. 16	Nor. bk. Czar *	Oct. 5	do	Ship Island	Held for disinfection	Oct. 12	1 case intermittent fever in quarantine.	do
Gulf Quarantine, Ship Island, Miss.	do.	Am. sc. B. Frank Nealley *	Oct. 6	Moss Point	Key West	Disinfected and held	Oct. 12	do	do
do.	do.	Am. sc. Sarah T. Keel *	Oct. 7	New Orleans.	Wolf River.	do	do	do	do
do.	do.	Am. sc. Ida Medel *	do.	Biloxi.	Ship Island.	do	do	do	do
do.	do.	Am. sc. Venezia *	do.	New Orleans.	Wolf River.	do	Oct. 13	1 case intermittent fever at intermediate port.	do
do.	do.	Am. sc. G. W. Lister *	Oct. 7	do	do	do	do	do	do
do.	do.	Am. sc. Adona *	do.	do	do	do	do	do	do
do.	do.	Br. sc. Dove *	Oct. 9	Santiago de Cuba.	Pascagoula.	do	Oct. 15	do	do
do.	do.	Am. sc. Cuevas Bros. *	do.	New Orleans.	Jordan River.	do	Oct. 14	do	do
do.	do.	Am. sc. Annie P.	Oct. 10	New Orleans.	Wolf River.	do	Oct. 15	do	do
do.	do.	Am. sc. Ellen Cue	do.	New Orleans via Bay St. Louis.	Kilm.	do	do.	do	do
do.	do.	Am. sc. Franklin	do.	Mobile.	Biloxi	do	Oct. 16	do	do
do.	do.	Am. sc. (scow) Clara Adams.	do.	Pascagoula.	Ship Island.	do	do.	do	do

\* Previously reported.

QUARANTINE REPORTS—Continued.  
National quarantine and inspection stations—Continued.

Name of station.	Week ended.	Name of vessel.	Date of arrival.	Port of departure.	Destination.	Treatment of vessel, passengers, and cargo.	Date of departure.	Remarks.	Vessels inspected and passed.
Gulf Quarantine, Ship Island, Miss.	Oct. 16	Am. sc. Millie Williams. Am. sc. (barge) Alphonse. Am. sc. Stella F.	Oct. 11 do. Oct. 12	Vera Cruz New Orleans via Bay St. Louis. New Orleans via Riglets.	Pascagoula Fenton Bay St. Louis	Disinfected and held do do	Oct. 16		
		Am. slp. M. G. Fevra Am. sc. Wm. H. Barney. Br. sc. Sirocco Br. s. Elleralle	Oct. 13 do. Oct. 14 Oct. 16	Scranton do Matanzas Rio.	Ship Island Handsboro Pascagoula Ship Island	do do do Held for disinfection.			
Newbern, N. C.	Oct. 23	Br. bk. Cape York *	Sept. 25	Panama	Townsend	Disinfected	Oct. 11	No transactions	3
Port Townsend, Wash.	Oct. 16	Am. st. Kingston Nor. ss. John Wilson *	Oct. 13 Oct. 4	Victoria, B. C. Bocas del Toro.	Seattle Philadelphia	Disinfected and held; cargo jettisoned.	Oct. 13 Oct. 14	8 cases yellow fever at Panama; 4 deaths. 1 death at sea from yellow fever, Oct. 1.	23 4 16
Reedy Island Quarantine, Del.	do.								2
San Diego, Cal.	do.								
San Francisco Quarantine, Cal.	do.								
South Atlantic Quarantine, Blackbeard Island, Ga.	do.								
Tortugas Quarantine, Key West, Fla.	do.	Am. sc. Georgie L. Drake. Sp. Tug Humberto Rodriguez. Sp. bge. San Fernando. Sp. bge. Tinama. Am. sc. Wave. Am. sc. Lillie. Sw. bge. Zenobia	Oct. 2 Oct. 4 do. do. Oct. 6 Oct. 10 Oct. 13	Sagua Habana do do Cardenas Pernambuco	Apalachicola Key West do do do Apalachicola	Disinfected do do do do Disinfected and held	Oct. 11 Oct. 13 do do Oct. 12 Oct. 15		
Washington, N. C.	Oct. 23							No transactions	

\* Previously reported.

## QUARANTINE REPORTS—Continued.

## State and municipal quarantine stations.

[Vessels named only when detained or given treatment at quarantine.]

Name of station.	Week ended.	Name of vessel.	Date of arrival.	Port of departure.	Destination.	Treatment of vessel, passengers, and cargo.	Date of departure.	Remarks.	Vessels inspected and passed.
Anclote, Fla.....								No report.....	.....
Apalachicola, Fla.....								do.....	.....
Bangor, Me.....	Oct. 16							do.....	24
Boston, Mass.....	Oct. 23							No transactions.....	.....
Carrabelle, Fla.....								No report.....	.....
Cedar Keys, Fla.....	Oct. 23							No report.....	6
Charleston, S. C.....	Oct. 23							No report.....	3
Charlotte Harbor, Fla.....								do.....	.....
Elizabeth River, Va.....	Oct. 23							No transactions.....	1
Galveston, Tex.....	Oct. 23							No report.....	.....
Gardiner, Oreg.....	Oct. 23							do.....	.....
Georgetown, S. C.....	Oct. 16							No transactions.....	.....
Gloucester, Mass.....								No report.....	8
Key West, Monroe Co., Fla.....	Oct. 23							do.....	.....
Mayport, Fla.....	Oct. 16	Nor. bk. Oregon *.....	Oct. 3	Rio.....	Mobile.....	Disinfected and held.....	Oct. 14		.....
Mobile Bay, Ala.....		Fr. bk. Lombard *.....	do.....	Cayenne.....	do.....	do.....	Oct. 11		.....
		Br. ss. Dalmally *.....	Oct. 8	St. Lucia.....	do.....	do.....			.....
		Br. ss. Unionist.....	Oct. 12	Vera Cruz.....	do.....	do.....	Oct. 14		.....
		— Texas.....	Oct. 14	Horn Island.....	do.....	do.....			.....
		Am. bk. John R. Stanhope.....	Oct. 15	Belize.....	do.....	do.....	Oct. 17		.....
	Oct. 23	Nor. bk. Oregon *.....	Oct. 3	Rio.....	do.....	do.....	do.....		.....
		Br. s. s. Unionist *.....	Oct. 12	Vera Cruz.....	do.....	do.....	Oct. 19		.....
		Am. bk. John R. Stanhope.....	Oct. 15	Belize.....	do.....	do.....			.....
		Br. bk. Harald.....	Oct. 17	Bocas del Toro.....	do.....	do.....			.....
		Br. s. s. Boniform.....	Oct. 20	Belize.....	do.....	do.....		No report.....	3
		Chil. sp. Republic.....	Oct. 23	Costa Rica.....	do.....	do.....		do.....	7
New Bedford, Mass.....									
New Orleans, La.....	Oct. 23								
Newport News, Va.....									
Newport, R. I.....									
New York, N. Y.....									
Port Royal, S. C.....	Oct. 23								

\* Previously reported.

QUARANTINE REPORTS—Continued.  
State and municipal quarantine stations—Continued.

Name of station.	Week ended.	Name of vessel.	Date of arrival.	Port of departure.	Destination.	Treatment of vessel, passengers, and cargo.	Date of departure.	Remarks.	Vessels inspected and passed.
Providence, R. I.	Oct. 23	Nor. bk. Robt. Sraif-son.	Sept. 16	Demerara	Savannah	Disinfected and held.	Oct. 10	No report.	1
St. Helena Entrance, Fla	Oct. 16	Br. bk. Lorraine*	Sept. 25	Santos	do	do	Oct. 14		25
Savannah, Ga		Nor. bk. Giltner*	Sept. 26	Bahia	do	Discharging ballast.			
		Ger. bk. Schiffbeck*	Sept. 28	Santos	do	In stream			
		Br. bk. Rothesay Bay*	Sept. 28	do	do	In Tybee Roads			
		Ger. bk. Gesine*	Oct. 7	Rio	do	do			
		Nor. bk. Burdene*	Oct. 11	Macao	do	do			
		Nor. bk. Hindoo*	Oct. 13	Pernambuco.	do	do			
		Am. sc. Fannie Arthur	Oct. 14	New Orleans.	do	Disinfected and held.			
		Am. sc. Chas. M. Paterson.	Oct. 14	Habana	do	do			
		Br. bk. Earl Granville	do	Santos	do	In Tybee Roads			
	Oct. 23	Nor. bk. Giltner*	Sept. 26	Bahia	do	Disinfected and held.	Oct. 17		6
		Ger. bk. Schiffbeck*	do	Santos	do	do	Oct. 24		
		Br. bk. Rothesay Bay*	Sept. 28	do	do	do			
		Ger. bk. Gesine*	do	Rio	do	Discharging ballast.			
		Nor. bk. Burdene*	Oct. 7	Macao	do	In stream			
		Nor. bk. Hindoo*	Oct. 11	Pernambuco	do	In Tybee Roads.			
		Am. sc. Fannie Arthur.	Oct. 13	New Orleans.	do	Disinfected and held.	Oct. 18		
		Am. sc. Chas. M. Paterson.*	Oct. 14	Habana	do	do	Oct. 19		
		Br. bk. Earl Granville	do	Santos	do	In Tybee Roads			
		Br. sc. Helen C. Kennedy.	Oct. 21	Habana	do	do			
Tampa Bay, Fla	do.				Delaware Breakwater.	Under observation.		3 cases of suspicious fever on voyage.	17

\* Previously reported.

*Reports of States and yearly and monthly reports of cities.*

**CALIFORNIA**—*San Francisco*.—Month of September, 1897. Estimated population, 360,000. Total deaths, 464, including phthisis pulmonalis, 63; enteric fever, 4; scarlet fever, 1; leprosy, 1; diphtheria, 9; croup, 2, and whooping cough, 1.

**COLORADO**—*Denver*.—Month of September, 1897. Estimated population, 160,000. Total deaths, 136, including phthisis pulmonalis, 36; enteric fever, 10; diphtheria, 2, and whooping cough, 1.

**MASSACHUSETTS**—*Brockton*.—Month of August, 1897. Estimated population, 35,853. Total deaths, 39, including phthisis pulmonalis, 3.

**MICHIGAN**.—Week ended October 16, 1897. Reports to the State board of health, Lansing, from 55 observers indicate that neuralgia increased and consumption decreased in area of prevalence. Phthisis pulmonalis was reported present during the week at 174; enteric fever at 50; diphtheria at 30; scarlet fever at 26, and measles at 10 places.

**MINNESOTA**—*Minneapolis*.—Month of September, 1897. Estimated population, 192,833. Total deaths, 162, including phthisis pulmonalis, 19; enteric fever, 9, and diphtheria, 3.

**MISSOURI**—*Kansas City*.—Month of September, 1897. Estimated population, 175,000. Total deaths, 126, including phthisis pulmonalis, 9; enteric fever, 6, and diphtheria, 3.

*St. Louis*.—Month of September, 1897. Estimated population, 600,000. Total deaths, 703, including phthisis pulmonalis, 64; enteric fever, 17; scarlet fever, 1; diphtheria, 12; croup, 4, and whooping cough, 4.

**NEW JERSEY**—*Paterson*.—Month of September, 1897. Estimated population, 108,268. Total deaths, 132, including phthisis pulmonalis, 14; enteric fever, 7; scarlet fever, 1; diphtheria, 3, and whooping cough, 1.

**OHIO**—*Columbus*.—Month of September, 1897. Estimated population, 135,000. Total deaths, 135, including phthisis pulmonalis, 31; enteric fever, 3, and diphtheria, 3.

**OREGON**—*Portland*.—Month of September, 1897. Estimated population, 89,000. Total deaths, 105, including phthisis pulmonalis, 7, and diphtheria, 3.

**PENNSYLVANIA**—*Pottsville*.—Two weeks ended October 21, 1897. Estimated population, 17,000. Total deaths, 5. No deaths from contagious diseases.

**RHODE ISLAND**—*Newport*.—Month of September, 1897. Estimated population, 21,500. Total deaths, 46, including phthisis pulmonalis, 5, and scarlet fever, 1.

**UTAH**—*Salt Lake City*.—Month of September, 1897. Estimated population, 70,000. Total deaths, 47, including phthisis pulmonalis, 3; enteric fever, 2, and whooping cough, 1.

**VIRGINIA**—*Richmond*.—Month of September, 1897. Estimated popu-



lation, white, 56,440; colored, 47,120; total, 103,560. Deaths, white, 51; colored, 67; total, 118, including phthisis pulmonalis, 14; enteric fever, 1; diphtheria, 4, and whooping cough, 2.

WISCONSIN—*Milwaukee*.—Month of September, 1897. Estimated population, 275,000. Total deaths, 300, including phthisis pulmonalis, 25; enteric fever, 2; diphtheria, 7, and whooping cough, 1.

MORTALITY TABLE, CITIES OF THE UNITED STATES.

Cities.	Week ended.	Population, U. S. Census of 1890.	Total deaths from all causes.	Deaths from—									
				Phthisis pulmonalis.	Yellow fever.	Smallpox.	Variceloid.	Cholera.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.
Allegheny, Pa.	Oct. 16.	105,287	41	4								1	
Do.	Oct. 23.	105,287	42	4						4	1	1	1
Baltimore, Md.	do.	434,439	155	20						6	2	16	1
Bennington, Vt.	do.	6,391	0										
Binghamton, N. Y.	do.	35,005	11										
Boston, Mass.	do.	448,477	212	32						6	1	5	2
Bristol, R. I.	Oct. 16.	5,478	4										
Brookton, Mass.	do.	27,294	7	1								1	
Brooklyn, N. Y.	Oct. 23.	806,343	396	42						8	2	18	2
Brownsville, Tex.	Oct. 9.	6,134	6	2									
Do.	Oct. 16.	6,134	1										
Bucyrus, Ohio.	Oct. 23.	5,974	1										
Carlisle, Pa.	Oct. 16.	7,620	4										
Do.	Oct. 23.	7,620	2										
Charleston, S. C.	Oct. 9.	* 54,955	† 30	4									
Do.	Oct. 16.	* 54,955	† 26							1			
Chicago, Ill.	do.	1,099,850	468	50						19	2	17	2
Cincinnati, Ohio.	Oct. 22.	296,908	106	13						2		4	
Cleveland, Ohio.	Oct. 23.	261,353	103	3						4		3	2
Columbus, Ind.	do.	6,719	1										
Columbus, Ohio.	do.	88,150	23							1			
Dedham, Mass.	Oct. 9.	7,123	1										
Do.	Oct. 16.	7,123	3										
Dunkirk, N. Y.	do.	9,416	2										
Everett, Mass.	Oct. 22.	11,068	6	2									
Fall River, Mass.	Oct. 23.	74,398	38	3						1		1	
Fitchburg, Mass.	do.	22,037	8	1									
Flint, Mich.	do.	9,803	1										
Gloucester, Mass.	Oct. 16.	24,651	3										
Haverhill, Mass.	Oct. 23.	27,412	5	2									
Ironton, Ohio.	do.	10,939	1										
Jacksonville, Fla.	Oct. 16.	17,201	7	1						1			
Do.	Oct. 23.	17,201	7	3									
Jersey City, N. J.	Oct. 17.	163,003	62	11								4	
Lawrence, Mass.	Oct. 16.	44,654	21									1	
Lowell, Mass.	Oct. 23.	77,696	30	1								1	
Lynchburg, Va.	do.	19,709	14	2									
McKeesport, Pa.	Oct. 16.	20,741	12									3	
Manchester, N. H.	Oct. 23.	44,126	25	3						1		5	
Massillon, Ohio.	Oct. 16.	10,092	0										
Do.	Oct. 23.	10,092	2							1		1	
Medford, Mass.	do.	11,079	2										
Memphis, Tenn.	do.	64,495	19	2									1
Michigan City, Ind.	do.	10,776	3										
Middletown, N. Y.	do.	7,681	3	1									
Milwaukee, Wis.	do.	204,468	54	4						1		4	
Minneapolis, Minn.	Oct. 16.	164,738	37	2						3			
Mobile, Ala.	do.	31,076	29	2	3					1			
Nashville, Tenn.	Oct. 23.	76,168	1							3			
New Bedford, Mass.	do.	40,733	29	1							1	1	
Newburyport, Mass.	Oct. 16.	13,947	5	2									
New Brighton, N. Y.	Oct. 9.	16,423	6										
Do.	Oct. 16.	16,423	7	2									
Do.	Oct. 23.	16,423	6										
New Orleans, La.	Oct. 16.	242,039	148	14	34					3			1
Newport, R. I.	Oct. 23.	19,457	8										
New York, N. Y.	do.	1,515,301	676	107						17	8	16	4
Norristown, Pa.	do.	19,791	7	1									3

\* Estimated population, white, 28,870; colored, 36,295. Total, 65,165. † White, 6; colored, 24  
‡ White, 9; colored, 17.





Table of temperature and rainfall, week ended October 18, 1897.

[Received from Department of Agriculture, Weather Bureau.]

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	* Excess.	* Deficiency.	Normal.	Excess.	Deficiency.
<b>Atlantic Coast:</b>						
Eastport, Me.....	47	6		.91		.33
Portland, Me.....	49	9		.89		.49
Northfield, Vt.....	43	9		.24		
Boston, Mass.....	32	12		.98		.70
Vineyard Haven, Mass.....	54	7		.91		.30
Nantucket, Mass.....	53	7		.91		.43
Woods Hole, Mass.....	53	6		.91		.42
Block Island, R. I.....	54	6		1.04		.52
New Haven, Conn.....	53	9		.91		.57
Albany, N. Y.....	51	9		.71	.10	
New York, N. Y.....	56	9		.77		.48
Harrisburg, Pa.....	53	12		.70		.34
Philadelphia, Pa.....	56	9		.63		.22
New Brunswick, N. J.....	54	10		.82		.31
Atlantic City, N. J.....	56	5		.70		.24
Baltimore, Md.....	58	7		.66	1.23	
Washington, D. C.....	57	8		.70	.38	
Lynchburg, Va.....	57	10		.75	.51	
Cape Henry, Va.....	62	7		.84		.54
Norfolk, Va.....	61	8		.88		.59
Charlotte, N. C.....	61	9		.84		.38
Raleigh, N. C.....	58	11		1.27		1.24
Kittyhawk, N. C.....	64	5		.79	.06	
Hatteras, N. C.....	64	5		1.40	.95	
Wilmington, N. C.....	63	8		.81	.01	
Columbia, S. C.....	64	7		.56		.11
Charleston, S. C.....	66	7		.94		.49
Augusta, Ga.....	63	9		.56	.34	
Savannah, Ga.....	66	8		.81	2.09	
Jacksonville, Fla.....	70	8		1.22	3.22	
Jupiter, Fla.....	76			2.19		
Key West, Fla.....	78			1.21		
<b>Gulf States:</b>						
Atlanta, Ga.....	63	8		.42		.22
Tampa, Fla.....	74	4		.51		.15
Pensacola, Fla.....	70	7		.72		.66
Mobile, Ala.....	68	9		.77		.42
Montgomery, Ala.....	65	10		.49		.49
Vicksburg, Miss.....	66	9		.51		.23
New Orleans, La.....	71	5		.65	.24	
Shreveport, La.....	66	9		.63		.63
Fort Smith, Ark.....	62	11		.57		.57
Little Rock, Ark.....	63	11		.50		.50
Palestine, Tex.....	67	8		.70		.70
Galveston, Tex.....	73	5		.89		.75
San Antonio, Tex.....	71	5		.34	.84	
Corpus Christi, Tex.....	73	5		.45	.81	
<b>Ohio Valley and Tennessee:</b>						
Memphis, Tenn.....	62	12		.56		.56
Nashville, Tenn.....	60	11		.49		.25
Chattanooga, Tenn.....	61	8		.50	.52	
Knoxville, Tenn.....	57	12		.63		.56
Louisville, Ky.....	58	11		.63		.50
Indianapolis, Ind.....	55	11		.59		.49
Cincinnati, Ohio.....	58	10		.54		.44
Columbus, Ohio.....	56	10		.56		.22
Parkersburg, W. Va.....	53	13		.70		.69
Pittsburg, Pa.....	55	10		.53		.52
<b>Lake Region:</b>						
Oswego, N. Y.....	50	8		.73		.51
Rochester, N. Y.....	50	10		.63		.56
Huffalo, N. Y.....	51	7		.84		.47
Erie, Pa.....	53	9		.91		.11
Cleveland, Ohio.....	52	10		.63		.06
Sandusky, Ohio.....	55	9		.63		.39
Toledo, Ohio.....	52	9		.56		.05
Detroit, Mich.....	52	7		.56	.08	
Lansing, Mich.....	50	8		.57	1.03	
Port Huron, Mich.....	50	9		.63	.03	
Alpena, Mich.....	46	8		.86	.97	
Sault Ste. Marie, Mich.....	44	5		.77	1.57	
Marquette, Mich.....	46	2		.70	.40	
Green Bay, Wis.....	48	5		.56	.46	

\* The figures in these columns represent the average daily departure.

Table of temperature and rainfall, week ended October 18, 1897—Continued.

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	*Excess.	*Deficiency.	Normal.	Excess.	Deficiency.
<b>Lake Region—Continued.</b>						
Grand Haven, Mich.....	50	6		.71	.09	
Milwaukee, Wis.....	50	10		.55	.10	
Chicago, Ill.....	53	9		.66		.66
Duluth, Minn.....	46		1	.58		.48
<b>Upper Mississippi Valley:</b>						
St. Paul, Minn.....	48	2		.42	.76	
La Crosse, Wis.....	51	5		.46		.46
Dubuque, Iowa.....	52	7		.58		.46
Davenport, Iowa.....	53	9		.59		.53
Des Moines, Iowa.....	53	7		.70		.24
Keokuk, Iowa.....	55	9		.63		.63
Springfield, Ill.....	57	10		.56		.21
Cairo, Ill.....	60	12		.57		.52
St. Louis, Mo.....	58	12		.63		.61
<b>Missouri Valley:</b>						
Columbia, Mo.....	58	10		.23	.11	
Springfield, Mo.....	57	13		.59		.59
Kansas City, Mo.....	56	10		.77		.70
Wichita, Kans.....	59	6		.42		.13
Concordia, Kans.....	53	4		.35	3.94	
Lincoln, Nebr.....	54	4		.47	1.40	
Omaha, Nebr.....	53	5		.58	.32	
Sioux City, Iowa.....	53		1	.42	1.40	
Yankton, S. Dak.....	50	0		.29	.60	
Valentine, Nebr.....	49	2		.21	.02	
Huron, S. Dak.....	47		2	.28	.06	
Pierre, S. Dak.....	50		4	.14		.03
Moorhead, Minn.....	44		1	.48		.06
Bismarck, N. Dak.....	45		4	.21	.12	
Williston, N. Dak.....	43		3	.25		.25
<b>Rocky Mountain Region:</b>						
Hayre, Mont.....	42		5	.14	.03	
Helena, Mont.....	45		7	.21	.30	
Miles City, Mont.....	46		6	.21	.10	
Rapid City, S. Dak.....	49		3	.15		.12
Spokane, Wash.....	48			.35		
Wallawalla, Wash.....	53	6		.38		.37
Baker City, Oreg.....	47	4		.28		.20
Winnemucca, Nev.....	46			.07		
Salt Lake City, Utah.....	52		4	.35	.52	
Lander, Wyo.....	44		2	.21	.31	
Cheyenne, Wyo.....	45	0		.14	.29	
North Platte, Nebr.....	50		1	.21	1.24	
Denver, Colo.....	51	0		.21	.09	
Pueblo, Colo.....	52	2		.21	.13	
Dodge City, Kans.....	56	6		.28	1.30	
Oklahoma, Okla.....	62	7		.33		.28
Amarillo, Tex.....	55	5		.35		.02
Abilene, Tex.....	65	5		.55		.11
Santa Fe, N. Mex.....	50	3		.21		.20
El Paso, Tex.....	64	3		.21		.21
Phoenix, Ariz.....	70		3	.14		.12
<b>Pacific Coast:</b>						
Fort Canby, Wash.....	53			1.20		
Portland, Oreg.....	53		1	.90		.75
Roseburg, Oreg.....	52		2	.63		.57
Eureka, Cal.....	52			.56		
Redbluff, Cal.....	62		1	.28	.22	
Carson City, Nev.....	50		4	.07	.46	
Sacramento, Cal.....	60		1	.21	.01	
San Francisco, Cal.....	59		2	.28		.27
Fresno, Cal.....	64		3	.14	.03	
Los Angeles, Cal.....	63		1	.15	1.60	
San Diego, Cal.....	63		1	.08	.59	
Yuma, Ariz.....	72		2	.07		.07

\* The figures in these columns represent the average daily departure.

## FOREIGN.

[Reports received from United States consuls through the Department of State and from other sources.]

*Cholera, yellow fever, and plague as reported to the Supervising Surgeon-General United States Marine-Hospital Service, December 29, 1896, to October 29, 1897.*

## CHOLERA.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>India:</b>				
Bombay .....	Dec. 8-Dec. 15.....		1	
	Dec. 22-Dec. 29.....		1	
	Mar. 23-Mar. 30.....		1	
	Mar. 31-June 29.....		68	
	July 1-Aug. 3.....		386	
	Aug. 4-Aug. 31.....		509	
Calcutta.....	Sept. 1-Sept. 21.....		109	
	Nov. 14-Jan. 30.....		267	
	Jan. 31-Feb. 27.....		311	
	Feb. 28-Mar. 6.....		125	
	Mar. 6-May 29.....		1,310	
	May 30-June 26.....		176	
	June 27-July 31.....		118	
	Aug. 1-Aug. 28.....		22	
	Aug. 29-Sept. 25.....		30	
<b>China:</b>				
Hongkong.....	Sept. 4-Sept. 11.....		1	
Madras.....	Nov. 21-Nov. 27.....		2	
	Nov. 28-Dec. 4.....		1	
	Dec. 12-Dec. 25.....		6	
	Dec. 26-Jan. 29.....		22	
	Jan. 30-Feb. 26.....		13	
	Feb. 27-Mar. 5.....		2	
	Mar. 6-Mar. 19.....		1	
	Mar. 20-Mar. 26.....		2	
	May 29-June 25.....		4	
	June 26-July 30.....		12	
	July 31-Aug. 27.....		28	
	Aug. 28-Sept. 17.....		47	
Singapore.....	Nov. 1-Nov. 30.....		12	
	Dec. 1-Dec. 31.....		5	
	June 1-June 30.....		1	
	Aug. 1-Aug. 31.....		1	
<b>Ceylon:</b>				
Colombo .....	Nov. 28-Jan. 23.....		114	
	Jan. 23-Jan. 30.....	1	1	
	July 3-July 17.....	4	4	
<b>England:</b>				
Plymouth.....	Jan. 9.....		4	On steamship Nubia. No cases in city.
<b>Japan:</b>				
Chiba Ken .....	July 20-Aug. 3.....	4	3	
Fukuoka Ken.....	June 28-Aug. 3.....	6	4	
Hioغو Ken.....	June 28-July 6.....	1	1	
Kanagawa Ken.....	July 7-Aug. 3.....	13	9	
	Sept. 23-Sept. 30.....	1	1	
Kioto Fu.....	July 16-Aug. 3.....	2	1	
Okinawa.....	July 30-Aug. 3.....	1	1	
Osaka .....	May 1-July 6.....	13	2	
Osaka and Hioغو.....	July 16-July 25.....	2	2	
	Aug. 1-Sept. 4.....	5	8	
Oyama Ken.....	June 28-July 6.....	1	1	
Saitama .....	July 16-July 25.....	1	1	
Shiga Ken.....	July 20-Aug. 3.....	1	1	
Tochigi Ken.....	July 20-Aug. 3.....	1	1	
Tokyo .....	Dec. 4-Dec. 29.....	8	7	
	Dec. 30-Jan. 18.....	3	3	
	June 28-Aug. 3.....	28	10	
	Sept. 3-Sept. 30.....	18	7	
Yamanashi Ken.....	July 7-July 15.....	1	1	
Yamaguchi Ken.....	July 20-Aug. 3.....	1	1	
Yokohama.....	Dec. 4-Dec. 29.....	4	3	
	Dec. 30-Jan. 18.....	2	2	

## Cholera, yellow fever, plague, etc.—Continued.

## YELLOW FEVER.

Places.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Bahia.....	May 13-May 19...	5	3	
Para.....	Dec. 12-Jan. 30.....		32	
	Jan. 31-Feb. 27.....		20	
	Feb. 27-Mar. 6.....		9	
	Mar. 13-Mar. 20.....		3	
	Apr. 3-Apr. 10.....		3	
	May 30-June 5.....		4	
	June 20-July 3.....		7	
	July 4-July 31.....		11	
	Aug. 1-Aug. 28.....		16	
	Sept. 5-Sept. 25.....		12	
	Oct. 2-Oct. 9.....		5	
Rio de Janeiro.....	Nov. 21-Dec. 26.....		10	
	Dec. 26-Jan. 30.....		28	
	Jan. 31-Feb. 6.....	12	5	
	Feb. 13-Feb. 20.....	21	6	
	Feb. 20-Mar. 6.....		16	
	Mar. 7-May 29.....	174	78	
	May 30-July 3.....	10	7	
	July 4-July 31.....	3	2	
	Aug. 8-Aug. 28.....	2	1	
	Aug. 29-Sept. 11.....	1	1	
Santos.....	Aug. 1-Aug. 7.....	1		
Cuba:*				
Cardenas.....	Dec. 25-Jan. 30.....	84	8	
	Jan. 31-Feb. 27.....	38	1	
	Apr. 17-June 26.....	46	9	
	June 27-July 31.....	7	3	
	Aug. 1-Aug. 28.....		11	
	Sept. 5-Oct. 16.....		8	
Cienfuegos.....	Dec. 20-Dec. 27.....		8	
	Dec. 28-Jan. 17.....		2	
	Apr. 4-Apr. 11.....		1	
	May 17-May 23.....		1	
	June 20-July 25.....		30	
	July 26-Aug. 1.....		16	
	Aug. 2-Aug. 29.....		33	
	Aug. 30-Oct. 17.....		26	
Habana.....	Dec. 17-Dec. 31.....	220	79	
	Jan. 1-Jan. 28.....	400	144	
	Jan. 28-Feb. 25.....	117	44	
	Feb. 25-Mar. 25.....	130	38	
	Mar. 25-Apr. 29.....	342	85	
	Apr. 30-July 1.....	750	279	
	July 2-July 29.....		192	
	July 3-Aug. 5.....		28	
	Aug. 6-Sept. 2.....		108	
	Sept. 3-Sept. 30.....		67	
	Oct. 1-Oct. 21.....		52	
Manzanillo.....	Apr. 1-Apr. 15.....		1	
	May 15-May 31.....		1	
	June 1-June 15.....		1	
	July 2-July 31.....		6	
	Aug. 1-Aug. 31.....		7	
Matanzas.....	Dec. 9-Dec. 23.....		8	
	Dec. 23-Jan. 27.....		19	
	Jan. 27-Feb. 24.....		4	
	Feb. 25-Mar. 31.....		2	
	Apr. 1-June 30.....	9	24	
	July 1-July 28.....		17	
	July 29-Aug. 4.....		4	
	Aug. 5-Sept. 29.....		39	
	Sept. 30-Oct. 20.....		8	
Regla.....	Sept. 1-Sept. 30.....		104	
	Oct. 1-Oct. 14.....		30	
Santiago.....	Dec. 5-Dec. 26.....		17	
	Dec. 26-Jan. 30.....		16	
	Jan. 16-Jan. 30.....		5	
	Jan. 30-Feb. 27.....		6	
	Feb. 27-Mar. 27.....		3	
	May 2-July 3.....	54	64	140 cases in military hospital.
	July 4-July 31.....		82	
	Aug. 1-Aug. 28.....		56	
	Aug. 29-Oct. 2.....		74	
	Oct. 3-Oct. 9.....		8	
Sagua la Grande.....	Dec. 19-Dec. 26.....	50	5	
	Dec. 26-Jan. 9.....	65	6	

\*February 28, 1897, 300 cases of yellow fever were reported among the sick soldierson the Island.

## Cholera, yellow fever, plague, etc.—Continued.

## YELLOW FEVER—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<i>Cuba—Continued.</i>				
Sagua la Grande.....	Jan. 9-Jan. 30...	110	12	Number of deaths not given.
	Jan. 31-Feb. 27...	35	7	
	Feb. 27-Mar. 27...	54	17	
	Mar. 28-June 26...	304	.....	
	June 27-July 31...	185	9	
	Aug. 1-Aug. 28...	130	11	
	Aug. 29-Sept. 25...	180	13	
	Sept. 26-Oct. 2...	30	4	
	Oct. 3-Oct. 16...	36	5	
Ecuador:				
Guayaquil.....	Dec. 18-Jan. 10...	.....	9	
Haiti:				
Port au Prince.....	Dec. 1-Dec. 7...	.....	2	Yellow fever epidemic.
	Dec. 14.....	.....	3	
	Mar. 1-Mar. 8...	.....	.....	
Guadeloupe:				
Basse Terre.....	Jan. 5.....	1	.....	
Jamaica:				
Kingston.....	July 17-July 31...	2	1	
	Aug. 1-Oct. 9...	44	23	
Manchester.....	Aug. 1-Oct. 9...	7	2	
Port Antonio.....	Aug. 1-Oct. 9...	4	4	
St. Elizabeth.....	.....	1	1	
Mexico:				
Mazatlan.....	Sept. 26-Oct. 2...	.....	9	Yellow fever reported.
Vera Cruz.....	June 28.....	.....	.....	
	June 25-July 1...	.....	2	
	June 29.....	.....	2	
	Oct. 1-Oct. 7...	* 3	.....	
Nicaragua:				
Corinto.....	Sept. 6.....	.....	.....	Do.
Leon.....	Sept. 6.....	.....	.....	Do.
Managua.....	Sept. 6.....	.....	.....	Do.
Peru:				
Callao.....	June 10-June 17...	.....	2	In harbor on steamship Santiago from Panama.
San Salvador.....	July 1-July 31...	38	11	
	Aug. 1-Aug. 31...	54	16	
	Sept. 1-Sept. 30...	34	12	
United States of Colombia:				
Bocas del Toro.....	Aug. 22.....	.....	.....	1 case yellow fever.
Panama.....	Apr. 14.....	20	17	Estimated.
	June 25.....	91	62	
Panama.....	June 23-July 3...	12	7	
	July 4-Aug. 3...	33	15	
	Aug. 4-Aug. 13...	4	2	
	Sept. 13-Oct. 3...	2	2	
Colon.....	May 12-May 25...	.....	5	
	Aug. 4-Aug. 14...	.....	1	

## PLAGUE.

Arabia:				
Jeddah.....	June 10.....	16	23	
Egypt:				
Suez.....	Mar. 31.....	.....	.....	One case of plague on Br. ss. Dilwara from Bombay.
India:				
Bombay †.....	Dec. 1-Dec. 22...	.....	694	This is the number of deaths officially reported. The United States consul estimates the number of deaths for the same period at 2,763.
	Dec. 22-Jan. 5...	.....	738	Estimated deaths for this same period, 2,953.
	Jan. 5-Jan. 12...	.....	335	Estimated deaths for this same period, 1,388.
	Jan. 12-Jan. 19...	.....	470	
	Jan. 19-Jan. 26...	.....	443	Estimated deaths for this same period, 1,462.
	Jan. 26-Feb. 23...	.....	2,884	Estimated deaths for this same period, 5,845.

\* On steamship Uto.

† Official returns show 9,118 cases and 7,602 deaths to March 12.

## Cholera, yellow fever, plague, etc.—Continued.

## PLAGUE—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<i>India—Continued.</i>				
Bombay.....	Feb. 23-Mar. 9.....		1,282	Estimated deaths for this same period, 2,265.
	Mar. 9-Mar. 30.....		1,431	Estimated deaths for this same period, 2,730.
	Mar. 31-June 1.....		1,681	Estimated deaths from March 31 to April 30, 2,892.
	June 2-June 29.....		90	
	July 1-Aug. 3.....		52	
	Aug. 4-Aug. 31.....		65	
	Sept. 1-Sept. 21.....		95	
Calcutta.....	Feb. 6-Feb. 13.....		1	
Karachi.....	Jan. 11.....			Plague epidemic; 220 cases, 214 deaths to date.
<i>China:</i>				
Amoy.....	June 30.....			Plague epidemic reported.
Hongkong.....	Dec. 13-Dec. 29.....			A few cases.
	May 21-May 29.....	4	2	
	June 6-June 12.....		1	
	June 26-July 17.....		3	
Macao.....	Apr. 1-May 31.....		154	
	June 1-June 3.....	43		
Swato.....	June 1.....			Plague epidemic reported.
Japan:	May 4.....			Epidemic of plague reported.
Formosa.....	Nov. 6-Nov. 30.....	53	37	
	Dec. 4-Dec. 29.....		15	
	Jan. 19-Jan. 27.....	3		
	Feb. 23-Mar. 12.....	3		
	Mar. 13-Mar. 23.....	4		
	Mar. 24-Mar. 31.....	3		
	Apr. 1-Apr. 20.....	64	54	
Formosa.....	Apr. 20-May 20.....	268		
	May 31-June 27.....	144		
	June 28-July 25.....	25		
Kanagawa Ken.....	July 7-Aug. 3.....	3	2	
Nagasaki Ken.....	June 9-June 27.....	3	3	
Taihoku.....	Apr. 20-Apr. 27.....	3		
<i>Russia:</i>				
St. Petersburg.....	Apr. 10-Apr. 17.....		1	
Theodosia.....	Mar. 31.....			One case of plague on Br. ss. Baldwin.

## BRAZIL.

## Sanitary reports from Rio.

RIO DE JANEIRO, September 20, 1897.

SIR: I have the honor to transmit the report for the week ended September 18, 1897:

There were 6 deaths from *accessio pernicioso*, an increase of 3; none from yellow fever, 1 in the foregoing week; 1 from smallpox, none in the foregoing week; 1 from beriberi, a decrease of 3; 1 each from enteric fever and measles, none in the foregoing week; none from whooping cough, 1 in the foregoing week; 37 from tuberculosis, an increase of 4, and 246 from all causes, an increase of 33.

The health of the town and port is excellent; no infectious cases amongst the shipping. The most prevalent diseases are those of the respiratory system, which always prevail during the winter months.

*Bahia*.—Telegrams continue to be published here from Bahia, relating the continuance of smallpox in that State, especially in the army in operations. Nothing very trustworthy is known here.

Since last report the following-named ships have been inspected or received bills of health from this office: September 14, bark, *Altai*, Rus-



sian, for Sapelo, Ga. September 15, steamship *Atala*, British, for St. Lucia, West Indies; bark *Alice Reed*, American, for New York, and steamship *Concordia*, French, for New Orleans. September 16, steamship *Mozart*, British, for New York. September 17, bark *Joseph Hayden*, Norwegian, for Mobile, Ala., and steamship *Methley Hall*, British, for New Orleans. September 18, steamship *Galileo*, British, for New York; steamship *Gena*, British, for Galveston, Tex., and steamship *Roman Prince*, for New York, from Santos.

Respectfully, yours,

R. CLEARY, M. D.,

*Sanitary Inspector, U. S. M. H. S.*

The SUPERVISING SURGEON-GENERAL,

*U. S. Marine-Hospital Service.*

RIO DE JANEIRO, September 27, 1897.

SIR: I have the honor to transmit report for the week ended September 25, 1897:

There were 3 deaths from enteric fever, an increase of 2; 1 from *accessio pernicioso*, a decrease of 5; 1 from beriberi, the same as in the foregoing week; 2 from measles, an increase of 1; 54 from tuberculosis, an increase of 17, and 255 from all causes, an increase of 9.

The health of this town and port continues excellent, but fevers of a bad character and variola are reported in Amazonas. On the 25th of this month there were 477 cases of variola under treatment in Bahia, principally soldiers.

Since last report the following-named ships have been inspected or received bills of health from this office: September 20, bark *Agnes*, Portuguese, for New Orleans. September 21, barkentine *Arthur C. Wade*, American, for Pernambuco. September 22, bark *Figaro*, Norwegian, for New York. September 23, bark *Nil Desperandum*, Dutch, for Sabine Pass; bark *Karl Pihl*, Norwegian, for Pascagoula, Miss., and steamship *Powderham*, British, for Galveston, Tex. September 24, bark *N. B. Morris*, British, for Barbados, West Indies. September 25, bark *Premier*, Norwegian, for Mobile, Ala., and steamship *Dalecarlia*, German, for New York. September 27, ship *Lizzie Burrell*, British, for Barbados, West Indies, and steamship *Biela*, British, for New York.

Respectfully, yours,

R. CLEARY, M. D.,

*Sanitary Inspector, U. S. M. H. S.*

The SUPERVISING SURGEON-GENERAL,

*U. S. Marine-Hospital Service.*

CUBA.

*Smallpox and yellow fever in Cuban seaports.*

October 19: The United States consul at Cardenas reports that during the week ended October 16 there were in that city no deaths from yellow fever and no deaths from smallpox.

October 18: The United States consul at Cienfuegos reports that during the week ended October 17 there were in that city 2 deaths from yellow fever and no deaths from smallpox.

October 22: The United States consul at Matanzas reports that during the two weeks ended October 20 there were in that city 6 deaths from yellow fever.



October 23: The United States sanitary inspector at Habana reports that during the week ended October 21 there were in that city 13 deaths from yellow fever and 2 deaths from smallpox.

October 18: The United States consul at Sagua la Grande reports that during the week ended October 16 there were in that city 36 cases and 2 deaths from yellow fever and 35 cases and 3 deaths from smallpox.

*Sanitary report from Habana.*

HABANA, CUBA, October 23, 1897.

SIR: I have the honor to inform you that there were 471 deaths in this city during the week ended October 21. Thirteen of those deaths were caused by yellow fever, 29 by enteric fever, 13 by malarial fever, 90 by enteritis, 29 by dysentery, 60 by tuberculosis, 4 by pneumonia, 6 by starvation, 1 by the grip, and 1 by the measles. Twelve of the 13 deaths by yellow fever were among Spanish soldiers in the military hospitals, while the remaining one was a civilian in the city. Although no deaths from smallpox are reported during the week, it is believed that 2 have occurred.

It will be noticed that intestinal diseases, as enteritis and dysentery, continue to an alarming degree, and that 119, or more than one-fourth of all the deaths, were from those diseases alone. In certain localities and under unusually bad hygienic conditions, some of those cases have taken on choleraic symptoms, as occasionally occurs in the cities of this island, particularly when fruit or bad food is consumed during changeable and rainy weather. During the last six weeks or more a great deal of rain has fallen, but just now the weather is beautiful, though rather warm.

Very respectfully,

D. M. BURGESS,  
*Sanitary Inspector, U. S. M. H. S.*

The SUPERVISING SURGEON-GENERAL,  
*U. S. Marine-Hospital Service.*

JAPAN.

*Sanitary report from Yokohama.*

YOKOHAMA, October 1, 1897.

SIR: I have the honor to forward, herewith, my regular report of infectious disease in Japan, for period September 23 to September 30, 1897.

Owing to the imperfections of the returns, as at present furnished, it is difficult, or impossible, accurately to estimate the comparative prevalence of the existing epidemic. Taking the report as it stands, however, it is evident that, despite a decided reduction of the average temperature during the twenty days just past, any marked improvement in the sanitary condition of the country, though claimed by the Japanese as manifest, is, at least, doubtful.

As regards the important ports of Kobe and Yokohama, I am glad to be able to state, from independent knowledge, that but a very few cases of dysentery have occurred during the period in question.

I am, sir, very respectfully, your obedient servant,

STUART ELDRIDGE, M. D.,  
*Sanitary Inspector, U. S. M. H. S.*

The SUPERVISING SURGEON-GENERAL,  
*U. S. Marine-Hospital Service.*

[Inclosure.]

## Report of infectious disease in Japan, September 23 to September 30, 1897.

Locality.	Cholera.		Dysentery.		Smallpox.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Kioto Fu.....			63	16		
Osaka Fu.....			51	20		
Tokyo Fu.....	3	2	485	(*)		
Aichi Ken.....			143	43		
Akita Ken.....			11	3		
Awomori Ken.....			166	21		
Chiba Ken.....			177	43		
Fukui Ken.....	(*)					
Fukushima Ken.....			46	12		
Gifu Ken.....			102	16	1	
Gumma Ken.....			90	28		
Hioho Ken.....			731	222		
Hiroshima Ken.....	(*)					
Ibaraki Ken.....			115	37		
Ishikawa Ken.....			46	18		
Iwate Ken.....			30	8		
Kagawa Ken.....			494	145		
Kagoshima Ken.....			86	22		
Kanagawa Ken.....	1	1	310	113		
Kochi Ken.....	(*)					
Kumamoto Ken.....	(*)					
Miyagi Ken.....			106	16	2	
Miyazaki Ken.....			24	5		
Miye Ken.....	(*)					
Nagano Ken.....			1,179	286		
Nagasaki Ken.....	(*)					
Nara Ken.....	(*)					
Niigata Ken.....			1,394	224	5	1
Oita Ken.....	(*)					
Okayama Ken.....			279	70		
Okinawa Ken.....	(*)					
Saga Ken.....			12	4		
Saitama Ken.....			330	166		
Shizuoka Ken.....			369	118		
Shiga Ken.....			44	9		
Shimane Ken.....			157	52		
Tochigi Ken.....			69	20		
Tokushima Ken.....			140	45		
Tottori Ken.....			204	49		
Toyama Ken.....			12	4		
Wakayama Ken.....			28	7		
Yamagata Ken.....	(*)					
Yamaguchi Ken.....			238	56		
Yamanashi Ken.....			1,251	374		
Yehime Ken.....			137	27		
The Hokkaido.....	(*)					
Taiwan (Formosa).....	(*)					
Total.....	4	3	9,116	2,299	8	1

\* No report.

## SAN SALVADOR.

## Yellow fever.

SAN SALVADOR, October 8, 1897.

SIR: Inclosed find a report made me by Dr. José C. Gasteazoro on the epidemic yellow fever, believing that it may be of interest to the Marine-Hospital Bureau.

May I ask that a copy of the inclosure be sent me, for the reason that a special courier leaves in a few minutes for La Libertad, not giving me the time to make a copy for my archives.

I am, sir, your obedient servant,

JOHN JENKINS,  
United States Consul.

HON. SECRETARY OF THE TREASURY.

[Inclosure.]

*Yellow fever in San Salvador.*

SAN SALVADOR, October 7, 1897.

The epidemic of yellow fever first started here in the capital in the month of May, 1894. The first person attacked was one of the mail-service boys, who caught it at La Libertad, the port on the Pacific. Ever since we have had the epidemic, but it increases during the months of June, July, August, September, October, and even November; that is, during the rainy season in this country. The cases observed during the months of December, January, February, March, April, and May have been very few and of a very mild character, and generally marked by either influenza or malaria.

We have also noted that the epidemic decreases yearly, both in number and intensity, this applying to both foreigners and natives. This is the general rule of epidemics, and is due to the acclimation of the inhabitants.

In studying yellow fever of Habana, Rio de Janeiro, and New Orleans, and comparing it to ours, we only find differences in the intensity of the symptoms.

Most all our cases that died were on the sixth, seventh, and eighth days, and the causes generally were collapse, intestinal hemorrhage, and uræmia. The mortality during the year of 1894 was 60 per cent; 1895, 40 per cent, and 1896, 38 per cent.

The report for the year 1897 has not been completed. The cases reported now are as follows: July, 38 cases, 11 deaths; August, 54 cases, 16 deaths; September, 34 cases, 12 deaths.

I am, yours, truly,  
To Mr. JENKINS,

JOSÉ C. GASTEAZORO, M. D.

*United States Consul at San Salvador, Estado Salvador, Rep. Magn. de C. A.*

## UNITED STATES OF COLOMBIA.

*Yellow fever in Cartagena.*

[Cablegram.]

CARTAGENA, UNITED STATES OF COLOMBIA, October 11, 1897.

Yellow [fever]—SMITH.

HON. SECRETARY OF STATE.

*Sanitary report from Colon.*

COLON, October 14, 1897.

SIR: There has been no case of yellow fever at this port for the past month that I am aware of, but in view of the fact that there has been some fever at Bocas del Toro, which is only 140 miles distant, and in constant communication with this port, and the further fact that the fever is very prevalent at Kingston, Jamaica, I suggest that the inspection of vessels clearing for United States ports should be continued for a short while (say a month) longer. \* \* \*

Respectfully, yours,

J. L. PEARCY,

*United States Consul.*

The SUPERVISING SURGEON-GENERAL,

*U. S. Marine-Hospital Service.*

## STATISTICAL REPORTS.

FRANCE—*Nantes*.—Month of September, 1897. Estimated population, 125,757. Total deaths, 193, including enteric fever, 1; scarlet fever, 1, and diphtheria, 3.

*Roubaix*.—Month of September, 1897. Estimated population, 130,000. Total deaths, 181, including enteric fever, 2; diphtheria, 2, and whooping cough, 5.

GREAT BRITAIN—*England and Wales*.—The deaths registered in 33 great towns in England and Wales during the week ended October 9 correspond to an annual rate of 16.2 a thousand of the aggregate population, which is estimated at 10,992,524. The highest rate was recorded in Bolton, viz, 26.2, and the lowest in Portsmouth, viz, 9.4.

*London*.—One thousand three hundred and twenty-four deaths were registered during the week, including measles, 19; scarlet fever, 20; diphtheria, 53; whooping cough, 21; enteric fever, 24; and diarrhea and dysentery, 32. The deaths from all causes correspond to an annual rate of 15.5 a thousand. In greater London 1,726 deaths were registered, corresponding to an annual rate of 14.3 a thousand of the population. In the "outer ring" the deaths included 13 from diphtheria, 5 from measles, 1 from scarlet fever, and 8 from whooping cough.

*Ireland*.—The average annual death rate represented by the deaths registered during the week ended October 9 in the 23 principal town districts of Ireland was 20.5 a thousand of the population. The lowest rate was recorded in Portadown, viz, 0.0, and the highest in Sligo, viz, 45.7 a thousand. In Dublin and suburbs 147 deaths were registered, including scarlet fever, 3, and enteric fever, 4.

*Scotland*.—The deaths registered in 8 principal towns during the week ended October 9 correspond to an annual rate of 19.8 a thousand of the population, which is estimated at 1,549,907. The lowest mortality was recorded in Perth, viz, 8.5, and the highest in Dundee, viz, 24.2 a thousand. The aggregate number of deaths registered from all causes was 590, including measles, 3; scarlet fever, 13; diphtheria, 5, and whooping cough, 12.

WEST INDIES—*Guadeloupe*.—Two weeks ended September 15, 1897. Estimated population, 18,500. Total deaths, 18. No deaths from contagious diseases.

## MORTALITY TABLE, FOREIGN CITIES.

Cities.	Week ended.	Estimated popula- tion.	Total deaths from all causes.	Deaths from—									
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.	
Acapulco .....	Oct. 9....	5,000	5										
Aix la Chapelle.....	Oct. 2....	113,049	37						1				
Alexandria.....	Sept. 2....	231,396	216			2		2		2			
Do.....	Sept. 9....	231,396	136										1
Do.....	Sept. 16....	231,396	220					1		5			1
Amherstburg.....	Oct. 16....	2,300	0										
Amsterdam.....	Oct. 9....	498,893	134					1	1	3			3
Belfast.....	do.....	281,431	111					14	1	2			1
Belize.....	Oct. 15....	13,000	10										
Bluefields.....	Oct. 9....	3,000	2										
Bombay.....	Sept. 21....	821,764	* 869	31									
Bradford.....	Oct. 9....	221,610	64					3					2
Bremen.....	Oct. 2....	143,000	34						3				2
Bristol.....	Oct. 9....	232,242	59										
Brussels.....	Oct. 2....	531,011	152					1	1	1			1
Cairo.....	Sept. 2....	374,838	361		2			4		10	4		3
Do.....	Sept. 9....	374,838	333		3			5		6	2		
Do.....	Sept. 16....	374,838	350		1			6		11	3		
Calcutta.....	Sept. 11....	681,560	441	3		2		1					
Callao.....	Sept. 12....	20,000	19										
Do.....	Sept. 19....	20,000	12					3					
Cardenas.....	Oct. 9....	23,517	40		1			3					
Do.....	Oct. 16....	22,517	74				4	21					
Catania.....	Oct. 5....	124,000	59					1					
Christiania.....	Oct. 9....	192,141	58										
Cienfuegos.....	Oct. 17....	24,030	69		2								
Cologne.....	Oct. 2....	335,759	127					1	1	1	2		4
Colombo.....	Sept. 11....	130,000	106					5					
Do.....	Sept. 18....	130,000	90					1					
Copenhagen.....	Oct. 2....	340,500	106										
Corunna.....	Sept. 18....	37,000	28					4		1			
Do.....	Sept. 25....	37,000	26										
Do.....	Oct. 2....	37,000	20										
Crefeld.....	do.....	108,316	29						3	1			
Dublin.....	Oct. 9....	350,000	147						1				
Dusseldorf.....	Sept. 25....	189,156	47							1	1		
Do.....	Oct. 2....	189,156	48				1						
Edinburgh.....	Oct. 9....	292,364	95					2	3				1
Flushing.....	do.....	17,193	4										
Funchal.....	Oct. 6....	35,665	75					1					
Frankfort on the Main.....	Oct. 9....	240,000	78							1	3		1
Gibraltar.....	Oct. 3....	25,755	11					1					
Glasgow.....	Oct. 9....	714,919	288					7	5	2	2		7
Girgenti.....	Oct. 2....	24,428	11										
Göteborg.....	do.....	115,896	28					1		1			2
Halifax.....	Oct. 16....	38,700	17							1			
Hamburg.....	Oct. 9....	641,780	174					3	1	1			1
Honolulu.....	Oct. 2....	30,000	11										
Do.....	Oct. 9....	30,000	11										
Iquique.....	Sept. 4....	33,106	24						1				1
Do.....	Sept. 11....	33,106	27										
Do.....	Sept. 18....	33,106	11					1					1
Do.....	Sept. 25....	33,106	30										
Königsberg.....	do.....	171,700						2					
Do.....	Oct. 9....	171,700							1				
Leeds.....	do.....	402,449	143					4	4	1	1		1
Leighorn.....	do.....	103,609	39					1					
Leith.....	do.....	75,186	23										
Licata.....	Oct. 2....	20,000	10						3				
Liverpool.....	Oct. 9....	644,129	256				1	8	1	1			3
London, Canada.....	Sept. 16....	36,000	6										
London, England.....	Oct. 9....	6,291,677	1,726					31	21	66	24	29	
Lyons.....	Oct. 2....	466,028	130					4					1
Madras.....	Sept. 17....	452,518	346	18							12		
Madrid.....	Oct. 5....	482,816	258		2			7	2	4	2		
Magdeburg.....	Sept. 25....	219,276	78							2			
Manchester.....	Oct. 9....	536,426	220					1	4	2	8		
do.....	do.....	101,500	32								1		
Matanzas.....	Oct. 13....	50,000	183		2			5			1		
Mayence.....	Oct. 9....	74,917	15										
Messina.....	do.....	107,000	16										
Montevideo.....	Sept. 11....	215,061	63							1			

\* Thirty-five deaths from plague.



## MORTALITY TABLE, FOREIGN CITIES—Continued.

Cities.	Week ended.	Estimated population.	Total deaths from all causes.	Deaths from—							
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.
Newcastle on Tyne.....	Oct. 9....	212,223	66	.....	.....	.....	.....	.....	.....	2	1
Nuremberg.....	Sept. 18....	176,644	72	.....	.....	.....	.....	1	.....	.....	3
Do.....	Sept. 25....	176,644	49	.....	.....	.....	.....	.....	.....	.....	.....
Odessa.....	Oct. 2.....	404,000	133	.....	.....	.....	.....	4	6	2	3
Osaka and Hioga.....	Sept. 18....	182,730	82	.....	.....	.....	.....	1	.....	.....	.....
Do.....	Sept. 25....	182,730	106	.....	.....	.....	.....	1	.....	.....	.....
Palermo.....	Oct. 2.....	273,000	98	.....	.....	.....	.....	.....	.....	3	.....
Plymouth.....	Oct. 9.....	97,658	22	.....	.....	.....	.....	.....	.....	.....	1
Prague.....	Oct. 2.....	193,097	113	.....	.....	.....	.....	3	5	.....	2
Quebec.....	Oct. 16....	70,000	.....	.....	.....	.....	.....	.....	.....	1	.....
Rio de Janeiro.....	Sept. 18....	679,000	246	.....	.....	1	.....	.....	.....	.....	.....
Do.....	Sept. 25....	679,000	255	.....	.....	.....	.....	3	.....	.....	.....
Rotterdam.....	Oct. 9.....	293,473	97	.....	.....	.....	.....	.....	.....	.....	.....
St. Petersburg.....	Oct. 2.....	1,267,023	478	.....	.....	5	.....	15	21	41	2
St. Stephens.....	Oct. 16....	3,000	0	.....	.....	.....	.....	.....	.....	.....	4
Santos.....	Sept. 18....	40,000	26	.....	.....	.....	.....	.....	.....	.....	.....
Schiedam.....	Oct. 9.....	26,627	9	.....	.....	.....	.....	.....	.....	.....	.....
Sheffield.....	.....do....	355,180	132	.....	.....	.....	.....	2	2	1	5
Sonneberg.....	Sept. 25....	12,250	4	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	Oct. 2.....	12,250	3	.....	.....	.....	.....	.....	.....	.....	.....
Southampton.....	Oct. 9.....	98,002	26	.....	.....	.....	.....	.....	.....	.....	1
South Shields.....	.....do....	98,798	29	.....	.....	.....	.....	.....	.....	.....	.....
Stettin.....	Oct. 2.....	150,000	49	.....	.....	.....	.....	.....	.....	.....	.....
Stuttgart.....	Oct. 7.....	158,378	51	.....	.....	.....	.....	1	.....	.....	.....
Sunderland.....	Oct. 9.....	142,107	58	.....	.....	.....	.....	2	.....	.....	.....
Tegucigalpa.....	Oct. 2.....	14,000	6	.....	.....	.....	.....	.....	.....	.....	1
Trapani.....	.....do....	46,095	11	.....	.....	.....	.....	.....	.....	.....	.....
Trieste.....	.....do....	158,314	69	.....	.....	.....	.....	3	2	.....	.....
Tuxpan.....	.....do....	10,280	5	.....	.....	.....	.....	.....	.....	.....	.....
Venice.....	Sept. 25....	166,107	57	.....	.....	.....	.....	.....	.....	.....	.....
Vera Cruz.....	Oct. 14....	30,000	28	.....	.....	.....	.....	.....	.....	.....	.....
Vienna.....	Sept. 18....	1,558,129	574	.....	.....	.....	.....	6	5	6	.....
Do.....	Sept. 25....	1,558,129	569	.....	.....	.....	.....	1	3	6	.....
Warsaw.....	Oct. 2.....	601,408	258	.....	.....	5	7	.....	17	7	1
Yarmouth.....	Oct. 16....	6,500	1	.....	.....	.....	.....	.....	.....	.....	4
Zurich.....	Oct. 2.....	159,000	43	.....	.....	.....	.....	.....	.....	1	1

By authority of the Secretary of the Treasury :

WALTER WYMAN,  
Supervising Surgeon-General U. S. Marine-Hospital Service.